				Alloni	_		Tarriag Date
		many sheets as nec	essary)	U.S. PATENT DOCUMENTS		Sub	Filing Date If Appropriate
	(use as	many on		U.S. PATENT DOCUME	Class	Class	+
				Name of Patentee(s) or Applicant(s)			
				Name of Patentector		_	1
		U.S. Patent	Issue Date	Hunkapiller et al.		#	
Exam	Cite	Document	03/07/89	Hunkapiner		-	
Initials	No.	4,811,218	09/05/89	Melamede			
-1R		4,863,849	12/15/92	Smith et al.			
7	A2*	5,171,534	12/13/92	Cheeseman		<u> </u>	
4-1	A3*	5,602,509	04/12/94	Fodor et al.		=	-
1-1	A4*	5,602,304	08/29/95				-
1-1-	- A5*	5,445,961	06/11/96	Brenner			
L-+	-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5,525,464	02/18/9	and XU			
	-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5 604,091	07/15/9	"			
1_	-\frac{7.11}{A8}	5.648,240	02/03/9	98 Root and Gibbs			
	- AS	1 5714,320		98 Meizico 108 Fodor et al.			
		1 5,720,323		198 Fodo			
		5 800,992	10113	1/98 Sillian and Efstratianis			
-		7 021 05	8 10/19	3/98 Soares and Lipshutz 0/98 Stemmer and Lipshutz			
F		712 - 020 66		0/98 Stemmer and Bonaldo			
-	+	A10		Soares and Dorn			
-	+	A14		10/30 et al.			
-	+	A15* 5,846,7		00/30 1 :- ardi			
-		A16* 5,840,1		Mirzabekov et al.		=	
1		1 5.854		122 30 hhero et al.			+
1		1 5.851				+	
1	$\sqcup \downarrow -$	158/1		3/16/95 Ctommer and Lipsit			
	1_	1 5.884	2,874	07/29/99 Sterring			Transla
	TL	1 5.92	8,905		NTS		
		1 421	1,903	DATENT DUCUM		Date C	cation
	1	A22* 4,97		FOREIGN PARTER (S) or Applie	cant(s)		
				contentee(s) of Appr		11/06	6/97

A20* 5,862.9 07/29/99 A21* 5,928,905 11/20/90 A22* 4,971,903	FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS	Date of Publication	Translation Yes No
Exam Cite Foreign Patent Document Office Number Number	Parkard BioScience B.V. Parentse(s) or Applicant(s) Genescape Cancer Research Campaign Tech. Ltd. Pyrosequencing AB Glaxo Group Ltd. Lynx Therapeutics CuraGen Corporation Life Technologies, Inc. Packard BioScience Company Packard BioScience B.V.	11/06/97 03/05/98 04/02/98 10/08/98 10/08/98 11/26/98 02/18/99 04/01/99 06/10/99 06/24/99	

Express Mail Label: EV054296480US

Applicant: Rothberg, et al. USSN: 09/814,338 Date of Deposit: February 1, 2002



Page 2 of 3

FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office Number		Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No	
M	B11*	wo	99/36576	Packard BioScience Company	07/22/99		
	B12*	wo	99/53102	Packard BioScience Company	10/21/99	Rr-	
	B13	wo	97/19193	Yale University	05/29/97	T'CCE	
	B14	wo	97/27326	The Regents of the University of California	07/31/97	FF	
	B15	wo	98/50782	Trustees of Tufts College	11/12/98	8 11 4	
	, B16	wo	98/20019	Sequenom, Inc.	05/14/98	H CENT OF	
\overline{V}	B17	wo	98/35012	Eugene Y. Chan	08/13/98	-14/4R 1600	

			1000
Exam	Cite	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Initials	No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.	
-Uk	C1*	Baner et al. (1998). Nucleic Acids Research 26(22): 5073-5078.	
7	C2*	Barshop et al. (1991). Analytical Biochemistry 197: 266-272.	
	C3*	Brandis et al. (1990). <i>Biochemistry</i> 55: 2189-2200.	
	C4*	Bronk et al. (1996). Anal. Chem. <u>67</u> : 2750-2757.	
	C5*	Burns et al. (1998). Science 282: 484-487.	
	C6*	Chan and Nie (1998). Scient <u>281</u> : 2016-2018.	
1	C7*	Chee et al. Science <u>274</u> (5287).	
	C8*	Chiu and Christopoulos (1996). Anal. Chem. 68: 2304-2308.	
	C9*	Daubendiek and Kool (1997). Nature Biotechnology 15: 273-277.	
	C10*	Dickson et al. (1996). Science <u>274</u> (5289): 966.	
	C11*	Dickson et al. (1997). Nature <u>388</u> : 355-358.	
	C12*	Ferguson et al. (1996). Nature Biotechnology 14: 1681-1684.	
	C13*	Fire and Xu (1995). <i>Proc. Natl. Acad. Sci.</i> <u>92</u> : 4641-4645.	
	C14*	Ha et al. (1996). Proc. Natl. Acad. 93: 6264-6268.	
\top	C15*	Hacia (1999). Nature Genetics Supplement 21: 42-47.	
	C16*	Hatch et al. (1999). Genetic Analysis: Biomolecular Engineering 15: 35-40.	
	C17*	Healey and Walt (1997). Anal. Chem. 69: 2213-2216.	
	C18*	Healey et al. (1995). Science 269: 1078-1080.	
	C19*	Hengsakul and Cass (1996). Bioconjugate Chem. 7: 249-254.	
	C20*	Hyman (1988). Analytical Biochemistry 174: 423-436.	
	C21*	Ishijima et al. (1998). Cell 92: 161-171.	
	C22*	Ito et al. (1994). FEBS 351: 231-236.	
	C23*	Izawa et al. (1998). The Journal of Biological Chemistry 273(23): 14242-14246.	
	C24*	Karamohamed et al. (1999). Protein Expression and Purification 15: 381-388.	
	C25*	Karamohamed and Nyren (1999). Analytical Biochemistry 271: 81-85.	
1	C26*	Keller et al. (1996). Applied Spectroscopy 7(50): 823-958.	
\top	C27*	Kievits et al. (1991). Journal of Virological Methods 35: 273-286.	
	C28*	Kricka (1998). Clinical Chemistry 44(9): 2008-2014.	
_	C29*	Lander (1996). Science <u>274</u> : 536-539.	
	C30*	Lu et al. (1996). J. Am. Chem. Soc. 118: 1587-1594.	
	C31*	Lizardi et al. (1998). Nature Genetics 19: 225-232.	
1/	C32*	Metzker et al. (1998). BioTechniques 25: 814-817.	

Express Mail Label: EV054296480US Applicant: Rothberg, et al.

USSN: 09/814,338

C66



Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc. Metzker et al. (1998). BioTechniques 25: 446-462. Munkholm and Walt (1986). Anal. Chem. 58: 1427-1430. Mooney et al. (1996). Proc. Natl. Acad. Sci. 93: 12287-12291. Narang et al. (1997). Biosensors & Bioelectronics 12(9-10): 937-945. Nie et al. (1994). Science 266: 1018-1021. Nie and Zare (1997). Annu. Rev. Biophys. Biomol. Struct. 26: 567-596. Nilsson et al. (1997). Nature Genetics 16: 252-255.					
1/2	C33*	Metzker et al. (1998). BioTechniques <u>25</u> : 446-462.					
	C34*	Munkholm and Walt (1986)Anal. Chem. <u>58</u> : 1427-1430.					
	C35*	Mooney et al. (1996). Proc. Natl. Acad. Sci. <u>93</u> : 12287-12291.					
	C36*	Narang et al.(1997). Biosensors & Bioelectronics 12(9-10): 937-945.					
	C37*	Nie et al. (1994). Science <u>266</u> : 1018-1021.					
	C38*	Nie and Zare (1997). Annu. Rev. Biophys. Biomol. Struct. 26: 567-596.					
	C39*	Nilsson et al. (1997). Nature Genetics 16: 252-255.					
	C40*	Nilsson et al. (1994). Science <u>265</u> : 2085-2087.					
	C41*	Nyren, "Apyrase Immobilized on Paramagnetic Beads Used to Improve Detection Limits in Bioluminometral ATP Monitoring." J. Biolumin. Chemilumin					
	C42*	Nyren et al. (1997). Analytical Biochemistry 244: 367-373.					
	C43*	Nyren et al. (1993). Analytical Biochemisry 208: 171-175.					
	C44*	Oker-Blom et al. (1993). <i>BioTechniques</i> <u>14(5)</u> : 800-807.					
	C45*	Parthasarathy and Martin, (1994). Nature 369: 298-301.					
	C46*	Pierce et al. "Imaging individual green fluorescent proteins." Scientific Correspondence.					
	C47*	Pirrung and Huang (1996). Bioconjugate Chem. 7: 317-321.					
	C48*	Rawlinson et al. (1996). Journal of Virology: 8833-8849.					
	C49*	Ribeiro et al. (1998). J. Biolumin Chemilumin 13: 371-378.					
	C50*	Ronaghi et al. (1996). Analytical Biochemistry 242: 84-89.					
	C51*	Ronaghi et al. (1998). Science <u>281</u> : 363-365.					
	C52*	Ronaghi et al. (1999). Analytical Biochemistry 267: 65-71.					
	C53*	Ronaghi. "Pyrosequencing: A Tool for Sequence-Based DNA Analysis." Royal Institute of Technology Department of Technology.					
	C54*	Service, "Microchip Arrays Put DNA on the Spot." Science 282(5388).					
	C55*	Venter et al. <i>Science</i> 280(5369): 1540.					
	C56*	Walker et al. (1992). Nucleic Acids Research 20(7): 1691-1696.					
	C57*	Walker et al. (1992). Proc. Natl. Acad. 89: 392-396.					
	C58*	Wang et al. (1997). Analytical Biochemistry 246: 133-139.					
	C59*	Wang et al. (1998). Science 280: 1077-1082.					
	C60*	Wang et al. (1998). Science 282: 902-907.					
	C61*	Weisiger. "Impact of Extracellular Diffusion on Hepatic Uptake Kinetics." ASTRACT: 1-26.					
	C62*	Wooster et al. (1994). Science <u>265</u> : 277-285.					
	C63*	Xie and Lu (1999). The Journal of Biological Chemistry 274(23): 15967-15970.					
	C64*	Yin et al. "Transcription Against an Applied Force." Science 270: 1653-1657.					
	C65*	Nyren (1987). Analytical Biochemistry 167: 235-238.					

^{*} a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/398,833, filed September 16, 1999, now issued as Pat. No. 6274320 and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

International Search Report for PCT/US00/25290. Mailed on 11/28/01.

Examiner Signature	Jany Mr	Date Considered	11-14-02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.